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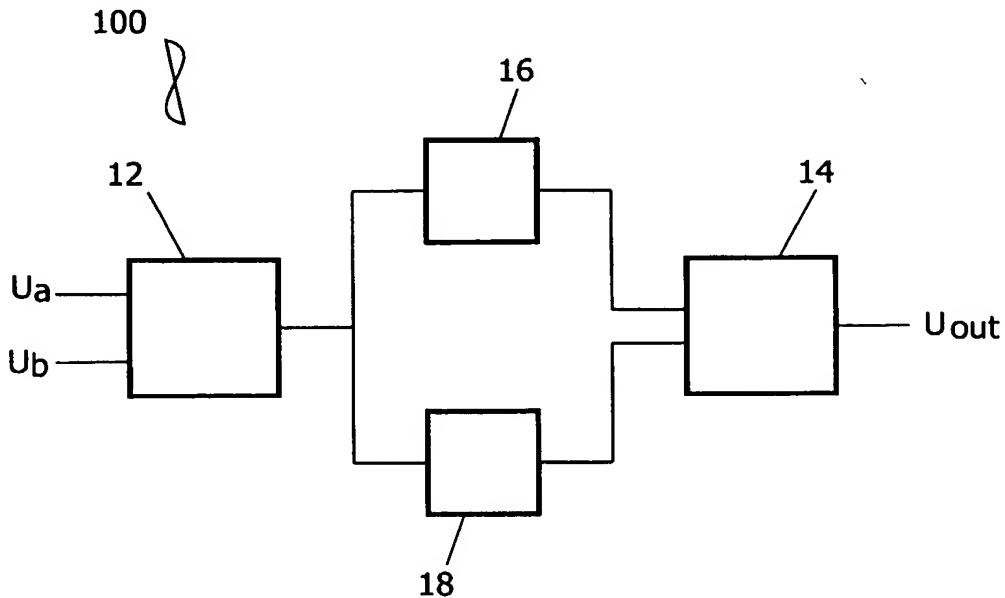
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(54) Title: PHASE DETECTOR AND METHOD OF PHASE DETECTION



(57) Abstract: In order to provide a phase detector and a method of phase detection which are distinguished by greater sensitivity and simple implementability, at least one differential signal of two input signals ( $U_a$ ;  $U_b$ ) may be formed over at least one predefined period by means of a first subtracter (12), at least one maximum value of the at least one differential signal may be detected by means of a first peak detector (16) and at least one minimum value of the at least one differential signal may be detected by means of a second peak detector (18) and at least one further differential signal ( $U_{out}$ ) may be formed from the at least one maximum value and the at least one minimum value by means of a second subtracter (14).

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